Abstract

A pressure booster for a fuel injection device, with a piston-shaped pressure boosting element (5) that is accommodated in a housing (10) and divides a working chamber (2) from a differential pressure chamber (6). A control line (7) can connect the differential pressure chamber (6) to a high-pressure source or can pressure-relieve it into a low-pressure region. A return spring (13) acts on the piston-shaped pressure boosting element (5). The return spring (13) rests against an annular insert (15) inside the housing (10). The annular insert (15) is provided with a damper throttle (24) via which fuel flows from the working chamber (2) of the pressure booster (1) into a hydraulic chamber (22) when the pressure in the differential pressure chamber (6) is relieved.

Fig. 1